Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

4

Name of Work: 1 Improvement of drains and resurfacing to roads in Hindu Samaja Road And Surrounding Sirke Apartment area in ward no.03, Attur

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						Estimate Cost Rs.			100.00 Lakhs
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3). (Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
	Basic rate	76.00							
	11% AD-HOC	8.36							
	Sub Total-1	84.36							
	6% AW	5.06							
	Sub Total-2	89.42							
	Santoshnagara								
	Top slab								
	cross road - 1	2	24.00	1.00		48.00			
	7th cross	2	218.00	1.00		436.00			
	9th cross	2	550.00	1.00		1100.00			
	cross road - 2	2	30.00	1.00		60.00			
	cross road - 3	2	105.00	1.00		210.00			
	cross road - 4	2	35.00	1.00		70.00			
	cross road - 5, school entrance	2	24.00	1.00		48.00			
	cross road - 6	2	32.00	1.00		64.00			
	Hindu samaj road								
	Neha Prakash Hospital	2	182.00	1.00		364.00			
	Behind hospital	2	108.00	1.00		216.00			
	Perpendicular hospital	2	185.00	1.00		370.00			
	cross road - 2	2	134.00	1.00		268.00			
	Drain slab								
	cross road - 1	2	24.00	1.65		79.20			
	7th cross	2	218.00	1.65		719.40			
	9th cross	2	550.00	1.65		1815.00			
	cross road - 2	2	30.00	1.65		99.00			
	cross road - 3	2	105.00	1.65		346.50			
	cross road - 4	2	35.00	1.65		115.50			
	cross road - 5, school entrance	2	24.00	1.65		79.20			
	cross road - 6	2	32.00	1.65		105.60			
	Hindu samaj road								
	Neha Prakash Hospital	2	182.00	1.65		600.60			
	Behind hospital	2	108.00	1.65		356.40			
	Perpendicular hospital	2	185.00	1.65		610.50			
	Total Qty					**8180.90**			
	Consider 30% of total Qty					**2454.27**			
						2454.27	**Sqm**	**89.42**	**219464.75**
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2016-17).								
	Basic rate	628.00							
	11% AD-HOC	69.08							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Sub Total-1	697.08							
	6% AW	41.82							
	Sub Total-2	738.90							
	Consider 8% of Total qty of Item no -1					654.47			
						654.47	**Sqm**	**738.90**	**483592.50**
3	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-								
	Basic rate	2100.00							
		60	0.90	0.60		32.40			
						32.40	**Sqm**	**2100.00**	**68040.00**
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km ld & lt, transport	100.00							
	Sub Total-3	196.48							
	Santoshnagara								
	cross road - 1	2	24.00	0.55	0.50	13.20			
	7th cross	2	218.00	0.55	0.50	119.90			
	9th cross	2	550.00	0.55	0.50	302.50			
	cross road - 2	2	30.00	0.55	0.50	16.50			
	cross road - 3	2	105.00	0.55	0.50	57.75			
	cross road - 4	2	35.00	0.55	0.50	19.25			
	cross road - 5, school entrance	2	24.00	0.55	0.50	13.20			
	cross road - 6	2	32.00	0.55	0.50	17.60			
	cross road - 7	2	40.00	0.55	0.50	22.00			
	Hindu samaj road								
	Neha Prakash Hospital	2	182.00	0.55	0.50	100.10			
	Behind hospital	2	108.00	0.55	0.50	59.40			
	Perpendicular hospital	2	185.00	0.55	0.50	101.75			
	cross road - 2	2	134.00	0.55	0.50	73.70			
	culvert	4	6.50	1.50	1.20	46.80			
						963.65	**Cum**	**196.48**	**189339.11**
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-17								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Sub Total-2	5937.12							
	culvert	4	6.50	1.50	0.15	5.85			
						5.85	**Cum**	**5937.12**	**34,732.17**
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.23/I.5.9)/ PWD SR 2016-17								
	Basic rate	5005.00							
	10% AD-HOC	550.55							
	Sub Total-1	5555.55							
	6% AW	333.33							
	Sub Total-2	5888.88							
	culvert	8	6.50	0.45	0.70	16.38			
						16.38	**Cum**	**5888.88**	**96,459.90**
7	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates at 0.78cum and fine aggregates at 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.6 of PW, P&UWTD SR 2016-17)								
	Basic rate	5249.00							
	10% AD-HOC	577.39							
	Sub Total-1	5826.39							
	6% AW	349.58							
	Sub Total-2	6175.97							
	culvert	8	6.50	0.45	0.10	2.34			
						2.34	**Cum**	**6175.97**	**14,451.78**
8	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-(Data rate)								
	Basic rate	5111.00							
		4	6.50	1.50		39.00			
						39.00	**Sqm**	**5111.00**	**199329.00**
9	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301(P.No. 14/E, I.No. 19.14)								
	Basic rate	46.00							
	10% AD-HOC	5.06							
	Sub Total-1	51.06							
	6% AW	3.06							
	Sub Total-2	54.12							
	100km ld & lt, transport	100.00							
	Sub Total-3	154.12							
	Santoshnagara								
	cross road - 1	1	24.00	4.00	0.35	33.60			
	7th cross	1	218.00	3.80	0.35	289.94			
	9th cross	1	550.00	4.35	0.35	837.38			
	cross road - 2	1	30.00	4.30	0.35	45.15			
	cross road - 3	1	105.00	4.15	0.35	152.51			

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road - 4	1	35.00	3.80	0.35	46.55			
	cross road - 5, school entrance	1	24.00	4.00	0.35	33.60			
	cross road - 6	1	32.00	6.00	0.35	67.20			
	cross road - 7	1	40.00	3.50	0.35	49.00			
						1554.93	Sqm	154.12	239651.02
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 149, I.No. 19.64)								
	Basic rate	5.00							
	12% AD-HOC	0.55							
	Sub Total-1	5.55							
	6% AW	0.33							
	Sub Total-2	5.88							
	Santoshnagara								
	cross road - 1	1	24.00	4.00		96.00			
	7th cross	1	218.00	3.80		828.40			
	9th cross	1	550.00	4.35		2392.50			
	cross road - 2	1	30.00	4.30		129.00			
	cross road - 3	1	105.00	4.15		435.75			
	cross road - 4	1	35.00	3.80		133.00			
	cross road - 5, school entrance	1	24.00	4.00		96.00			
	cross road - 6	1	32.00	6.00		192.00			
	cross road - 7	1	40.00	3.50		140.00			
						4442.65	Sqm	5.88	26,136.11
11	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Santoshnagara								
	Basic rate	1571.00							
	12% AD-HOC	172.81							
	Sub Total-1	1743.81							
	6% AW	104.63							
	Sub Total-2	1848.44							
	cross road - 1	1	24.00	4.00	0.15	14.40			
	7th cross	1	218.00	3.80	0.15	124.26			
	9th cross	1	550.00	4.35	0.15	358.88			
	cross road - 2	1	30.00	4.30	0.15	19.35			
	cross road - 3	1	105.00	4.15	0.15	65.36			
	cross road - 4	1	35.00	3.80	0.15	19.95			
	cross road - 5, school entrance	1	24.00	4.00	0.15	14.40			
	cross road - 6	1	32.00	6.00	0.15	28.80			
	cross road - 7	1	40.00	3.50	0.15	21.00			
						666.40	Cum	1848.44	1231794.86

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)								
Basic rate	1668.00							
10% AD-HOC	183.48							
Sub Total-1	1851.48							
6% AW	111.09							
Sub Total-2	1962.57							
Santoshnagara								
cross road - 1	1	24.00	4.00	0.20	19.20			
7th cross	1	218.00	3.80	0.20	165.68			
9th cross	1	550.00	4.35	0.20	478.50			
cross road - 2	1	30.00	4.30	0.20	25.80			
cross road - 3	1	105.00	4.15	0.20	87.15			
cross road - 4	1	35.00	3.80	0.20	26.60			
cross road - 5, school entrance	1	24.00	4.00	0.20	19.20			
cross road - 6	1	32.00	6.00	0.20	38.40			
cross road - 7	1	40.00	3.50	0.20	28.00			
Hindu samaj road								
Neha Prakash Hospital	1	90.00	1.00	0.20	18.00			
Behind hospital	1	60.00	1.00	0.20	12.00			
					918.53	Cum	1962.57	1802678.32
Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)								
Basic rate	26.00							
10% AD-HOC	2.86							
Sub Total-1	28.86							
6% AW	1.73							
Sub Total-2	30.59							
Santoshnagara								
cross road - 1	1	24.00	4.00		96.00			
7th cross	1	218.00	3.80		828.40			
9th cross	1	550.00	4.35		2392.50			
cross road - 2	1	30.00	4.30		129.00			
cross road - 3	1	105.00	4.15		435.75			
cross road - 4	1	35.00	3.80		133.00			
cross road - 5, school entrance	1	24.00	4.00		96.00			
cross road - 6	1	32.00	6.00		192.00			
cross road - 7	1	40.00	3.50		140.00			
Profile correction								
Hindu samaj road								
Neha Prakash Hospital	1	182.00	3.00		546.00			
Behind hospital	1	108.00	1.80		194.40			
Perpendicular hospital	1	185.00	2.50		462.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 2	1	134.00	2.20		294.80			
						5940.35	**Sqm**	**30.59**	**181724.81**
14	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)								
	Basic rate	6717.00							
	11% AD-HOC	738.87							
	Sub Total-1	7455.87							
	6% AW	447.35							
	Sub Total-2	7903.22							
	Santoshnagara								
	cross road - 1	1	24.00	4.00	0.05	4.80			
	7th cross	1	218.00	3.80	0.05	41.42			
	9th cross	1	550.00	4.35	0.05	119.63			
	cross road - 2	1	30.00	4.30	0.05	6.45			
	cross road - 3	1	105.00	4.15	0.05	21.79			
	cross road - 4	1	35.00	3.80	0.05	6.65			
	cross road - 5, school entrance	1	24.00	4.00	0.05	4.80			
	cross road - 6	1	32.00	6.00	0.05	9.60			
	cross road - 7	1	40.00	3.50	0.05	7.00			
	Profile correction								
	Hindu samaj road								
	Neha Prakash Hospital	1	182.00	2.70	0.05	24.57			
	Behind hospital	1	108.00	1.80	0.05	9.72			
	Perpendicular hospital	1	185.00	2.50	0.05	23.13			
	cross road - 2	1	134.00	2.20	0.05	14.74			
						294.29	**Cum**	**7903.22**	**2325819.50**
15	KSRRB 500-7:Providing and applying tack coat with bitumen emulsion using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)								
	Basic rate	11.00							
	11% AD-HOC	1.21							
	Sub Total-1	12.21							
	6% AW	0.73							
	Sub Total-2	12.94							
	Santoshnagara								
	cross road - 1	1	24.00	4.00		96.00			
	7th cross	1	218.00	3.80		828.40			
	9th cross	1	550.00	4.35		2392.50			
	cross road - 2	1	30.00	4.30		129.00			
	cross road - 3	1	105.00	4.15		435.75			
	cross road - 4	1	35.00	3.80		133.00			
	cross road - 5, school entrance	1	24.00	4.00		96.00			
	cross road - 6	1	32.00	6.00		192.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	cross road - 7	1	40.00	3.50		140.00			
	Hindu samaj road								
	Neha Prakash Hospital	1	182.00	7.00		1274.00			
	Behind hospital	1	108.00	3.50		378.00			
	Perpendicular hospital	1	185.00	5.50		1017.50			
	cross road - 2	1	134.00	4.10		549.40			
						7661.55	**Sqm**	**12.94**	**99,160.38**
16	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)								
	Basic rate	7659.00							
	11% AD-HOC	842.49							
	Sub Total-1	8501.49							
	6% AW	510.09							
	Sub Total-2	9011.58							
	Santoshnagara								
	cross road - 1	1	24.00	4.00	0.03	2.88			
	7th cross	1	218.00	3.80	0.03	24.85			
	9th cross	1	550.00	4.35	0.03	71.78			
	cross road - 2	1	30.00	4.30	0.03	3.87			
	cross road - 3	1	105.00	4.15	0.03	13.07			
	cross road - 4	1	35.00	3.80	0.03	3.99			
	cross road - 5, school entrance	1	24.00	4.00	0.03	2.88			
	cross road - 6	1	32.00	6.00	0.03	5.76			
	cross road - 7	1	40.00	3.50	0.03	4.20			
	Hindu samaj road								
	Neha Prakash Hospital	1	182.00	7.00	0.04	50.96			
	Behind hospital	1	108.00	3.50	0.04	15.12			
	Perpendicular hospital	1	185.00	5.50	0.04	40.70			
	cross road - 2	1	134.00	4.10	0.04	21.98			
						262.04	**Cum**	**9011.58**	**2361353.71**
17	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)								
	Basic rate	512.00							
	11% AD-HOC	56.32							
	Sub Total-1	568.32							
	6% AW	34.10							
	Sub Total-2	602.42							
	Santoshnagara								
	cross road - 1	2	24.00	0.10		4.80			
	7th cross	2	218.00	0.10		43.60			
	9th cross	2	550.00	0.10		110.00			
	cross road - 2	2	30.00	0.10		6.00			
	cross road - 3	2	105.00	0.10		21.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	oss road - 4	2	35.00	0.10		7.00			
	cross road - 5, school entrance	2	24.00	0.10		4.80			
	cross road - 6	2	32.00	0.10		6.40			
	cross road - 7	2	40.00	0.10		8.00			
	Hindu samaj road								
	Neha Prakash Hospital	2	182.00	0.10		36.40			
	Behind hospital	2	108.00	0.10		21.60			
	Perpendicular hospital	2	185.00	0.10		37.00			
	cross road - 2	2	134.00	0.10		26.80			
						333.40	**Sqm**	**602.42**	**200846.56**
18	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete (P.No-25, I No-5.30)								
	Basic rate	313.00							
	11% AD-HOC	34.43							
	Sub Total-1	347.43							
	6% AW	20.85							
	Sub Total-2	368.28							
		2	30.00			60.00			
	B = A/0.45				**A**	**60.00**			
					B	**133.00**	**Nos**	**368.28**	**48,980.68**
19	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No-183, I No-24.1)								
	Basic rate	60.00							
	11% AD-HOC	6.60							
	Sub Total-1	66.60							
	6% AW	4.00							
	Sub Total-2	70.60							
		2	620.00	0.35		434.00	**TA**		
						434.00	**Sqm**	**70.60**	**30,638.66**
								Total Construction Cost	**9854193.82**
								DPR & PMC Charges	**145800.00**
								Sub Total	**9999993.82**
								Utility Shifting, Miscellaneous, Rounding off	**6.18**
								GRAND TOTAL	**10000000.00**

Administrative Approval
Accorded For Rs 250.00 Lakhs
Head of A/C P-2178
CER NO :...194... Dt:22/3/18
E.E. (Project)

Technical Sanction
Accorded For 100 Lakhs.
Head of A/C P-2178
CER NO :...636... Dt:...
CE (YNK)

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates. 11% AD-HOC is added as per order issued on 06-02-2018

Assistant Engineer

Asst. Executive Engineer,

Executive Engineer,
Yelahanka Division,
BBMP Bangalore

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Yelahanka

Name of Work: Improvements of roads at Adithyanagara in ward no. 03

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-133)								
	Basic rate	82.00							
	11% AD-HOC	9.02							
	Sub Total-1	91.02							
	6% AW	5.46							
	Sub Total-2	96.48							
	10km ld & lt, transport	100.00							
	Sub Total-3	196.48							
	Adityanagar								
	Cross road	2	253.00	1.05	0.90	478.17			
	Cross road	1	59.00	1.05	0.90	55.76			
	Cross road	1	50.00	1.05	0.90	47.25			
	Culvert	4	6.00	1.40	0.90	30.24			
						611.42	**Cum**	**196.48**	**120131.55**
2	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2)								
	Basic rate	5046.00							
	11% AD-HOC	555.06							
	Sub Total-1	5601.06							
	6% AW	336.06							
	Sub Total-2	5937.12							
	Adityanagar								
	Cross road	2	253.00	1.05	0.15	79.70			
	Cross road	1	59.00	1.05	0.15	9.29			
	Cross road	1	50.00	1.05	0.15	7.88			
	Culvert	4	6.00	1.40	0.15	5.04			
						101.90	**Cum**	**5937.12**	**605007.74**
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of **design mix M20** with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-13)								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic rate	6011.00							
	11% AD-HOC	661.21							
	Sub Total-1	6672.21							
	6% AW	400.33							
	Sub Total-2	7072.54							
	Adityanagar CC Drain Raft								
	Cross road	2	253.00	0.90	0.15	68.31			
	Cross road	1	59.00	0.90	0.15	7.97			
	Cross road	1	50.00	0.90	0.15	6.75			
	Adityanagar CC Drain Wall								
	Cross road	4	253.00	0.15	0.60	91.08			
	Cross road	2	59.00	0.15	0.60	10.62			
	Cross road	2	50.00	0.15	0.60	9.00			
	Culvert	4	6.00	1.20	0.20	5.76			
	Culvert	8	6.00	0.20	0.70	6.72			
						206.21	**Cum**	**7072.54**	**1458393.65**
4	KSRB 4-6.4 : Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	Basic rate	293.00							
	11% AD-HOC	32.23							
	Sub Total-1	325.23							
	6% AW	19.51							
	Sub Total-2	344.74							
	Adityanagar CC Drain Wall								
	Cross road	8	253.00		0.60	1214.40			
	Cross road	4	59.00		0.60	141.60			
	Cross road	4	50.00		0.60	120.00			
	Culvert	16	6.00		0.70	67.20			
						1543.20	**Sqm**	**344.74**	**532008.63**
5	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)								
	Basic rate	60607.00							
	11% AD-HOC	6666.77							
	Sub Total-1	67273.77							
	6% AW	4036.43							
	Sub Total-2	71310.20							
	Consider 60kg/Cum	1	193.73	60.00		**11623.50**			
	Consider 100kg/Cum	1	12.48	100.00		**1248.00**			
						12.87	**Tn**	**71310.20**	**917869.19**